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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/705,805	11/12/2003	Joeri Lof	081468-0306781	5288	
909	7590 03/25/2005		EXAM	INER	
PILLSBURY WINTHROP, LLP			KIM, PE	KIM, PETER B	
P.O. BOX 10500			ART UNIT	PAPER NUMBER	
MCLEAN, VA 22102			AKI ONII	FAFER NOMBER	
		2851			
		DATE MAILED: 03/25/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summary	10/705,805	LOF ET AL.				
Onice Action Summary	Examiner	Art Unit				
	Peter B. Kim	2851				
The MAILING DATE of this communication a Period for Reply	ippears on the cover sheet with the	e correspondence address				
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply be eply within the statutory minimum of thirty (30) of will apply and will expire SIX (6) MONTHS frought, cause the application to become ABANDO	timely filed tays will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
	<u> </u>					
3) Since this application is in condition for allow						
Disposition of Claims						
4) ☐ Claim(s) 1-47 is/are pending in the application 4a) Of the above claim(s) is/are withdress 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.					
Application Papers	•					
9)☐ The specification is objected to by the Exami	ner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the	* * * * * * * * * * * * * * * * * * * *	·				
Priority under 35 U.S.C. § 119		N				
 12) Acknowledgment is made of a claim for foreignation a) All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the priority documents. * See the attached detailed Office action for a little copies. 	ents have been received. ents have been received in Applicationity documents have been rece eau (PCT Rule 17.2(a)).	ation No ived in this National Stage				
Attachment(s)	_					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	4) Interview Summa Paper No(s)/Mail					
 Notice of Dransperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date <u>22004</u>, 62004,12005. 		al Patent Application (PTO-152)				

Application/Control Number: 10/705,805

Art Unit: 2851

DETAILED ACTION

Information Disclosure Statement

On IDS filed on Jan, 6, 2005, U.S. Patent Application Publication 2004/0123351 to Krautschik is not considered because 2004/0123351 seems to be an incorrect number.

Priority

Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Europe on Nov. 12, 2002. It is noted, however, that applicant has not filed a certified copy of the European application as required by 35 U.S.C. 119(b).

Claim Objections

Claims 7 and 11 are objected because "said gas seal" lack antecedent basis.

Claim 10 is objected because a cover plate surrounding the substrate is not disclosed in the written description.

The following art rejections are based on the examiner's best understanding of the claims in light of the issues listed above.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 7, 8, 9, 10, 12-18, 31, 32, 35-37, 40-44, and 47 are rejected under 35 U.S.C. 102(e) as being anticipated by Lin (2004/0075895).

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Lin discloses in Fig. 4, a lithographic apparatus comprising a support structure, a substrate table (16) configured to hold a substrate (20), a projection system (36), a liquid supply system with inlet and outlet (32, 30) to fill a space between the projection system and the substrate with liquid (18), a liquid confinement structure (42) and a seal (82) between the structure and the substrate. Lin discloses closed loop around the space (32, 16, 30, Fig. 4), the structure movable along with the substrate table in a scanning direction (Fig. 4).

Allowable Subject Matter

Claims 21-30 allowed.

Claims 2-6, 11, 19, 20, 33, 34, 38, 39, 45 and 46 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

None of the prior art of record teaches or discloses a gas seal between the liquid confinement structure and the surface of the substrate.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter B. Kim whose telephone number is (571) 272-2120. The examiner can normally be reached on 8:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peter B. Kim Primary Examiner

Art Unit 2851

March 20, 2005